

Supplementary Materials

Studying the Physical and Chemical Properties of Polydimethylsiloxane Matrix Reinforced by Nanostructured TiO₂ Supported on Mesoporous Silica

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SEM/EDS images of TiO₂/MCM/PDMS composites at various TiO₂/MCM wt% and elements mapping

SEM/EDS images of the TiO₂/MCM/PDMS composites at various TiO₂/MCM wt% and C, Si, O, Ti elements mapping (Figure S1) show that the TiO₂/MCM particles were dispersed uniformly in the PDMS matrix. As the loading increased above 10 wt% bigger aggregates at higher concentration were formed.

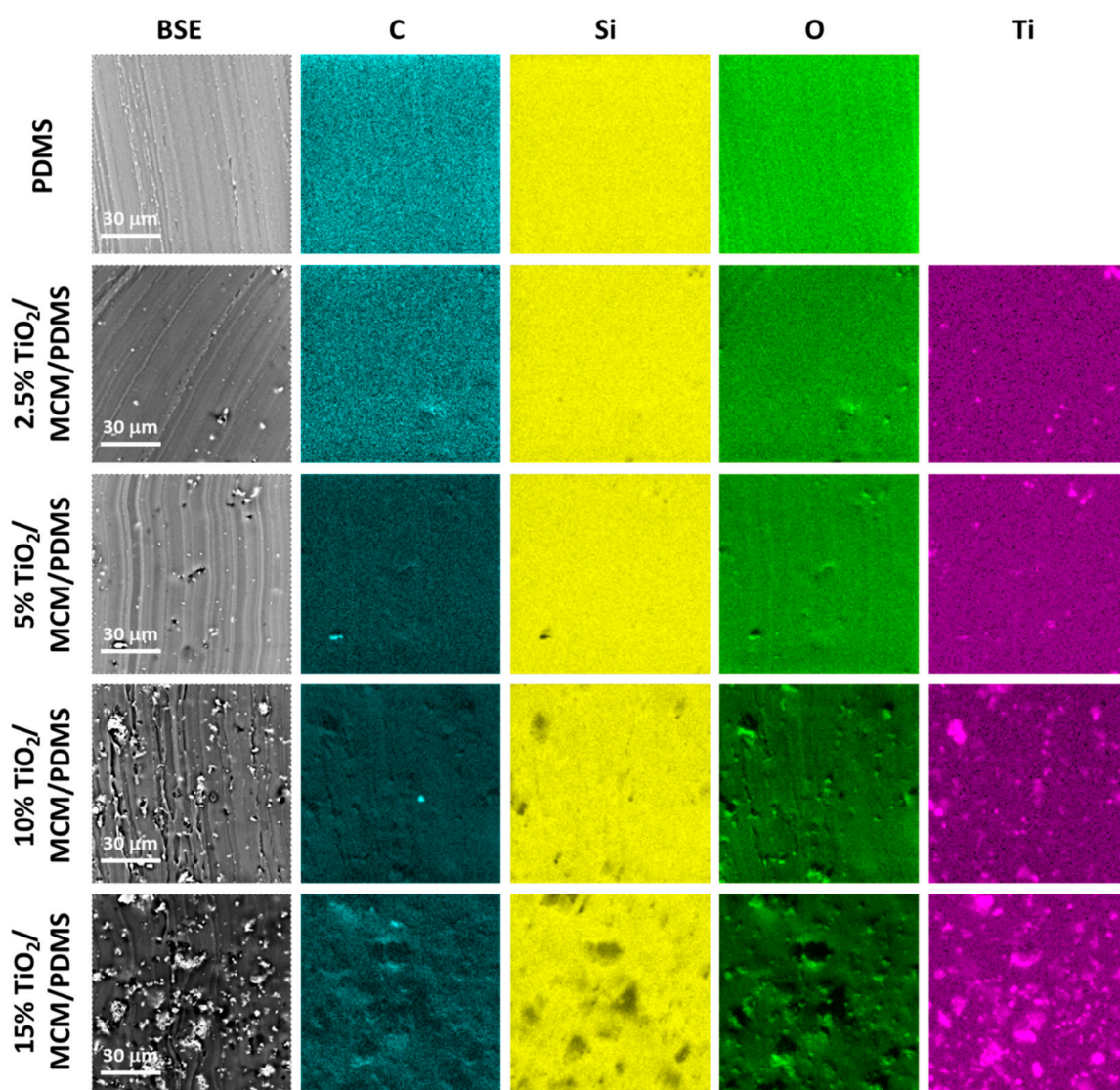


Figure S1. Back scattered electrons (BSE) images of cross-sectional TiO₂/MCM/PDMS composites (left column) and elements mapping by EDS at various adsorbent wt%.